

NEC Tape Storage

T40A2 Tape Library



Highlights

The T40A2 tape library is a midrange data solution, offering both high data storage capacity and highly reliable robotics in a compact form factor.

The T40A2 may be equipped with either one or two LTO Ultrium tape drives and up to four removable magazines, and can accommodate up to a total of forty tape cartridges. Using LTO Ultrium 4 tape cartridges, this equates to 64TB of storage capacity.

The T40A2 is available in both standalone and rack-mountable models. It also includes a remote management system to facilitate offsite data management.

NEC has over forty years of experience developing and manufacturing a wide range of tape products for our mainframe systems. Based upon our extensive background in magnetic tape, the T40A2 is a highly reliable subsystem which can address your most unique and mission critical requirements.

Features

Superior performance

- Available with one or two LTO Ultrium tape drives in a compact chassis

Efficiently compact design

- Supports a maximum of 64TB of compressed data in a 4U space
- Available in either standalone or rack-mountable models

Convenient operation

- Removable cartridge magazines
- May be configured to support a cartridge import/export function
- Remote Management System

T40A2 Specifications

Drive Type		LTO Ultrium 3	LTO Ultrium 4
Number of Drives		1, 2	
Number of Cartridges		24, 32, 40 (by license keys)	
Maximum data capacity* ¹		16.0 TB (native) 32.0TB (compressed at 2:1)	32.0TB (native) 64.0TB (compressed at 2:1)
Transfer rate* ² (2 drives case)		160MB/sec (native) 320MB/sec (compressed at 2:1)	240MB/sec (native) 480MB/sec (compressed at 2:1)
Mail box (dedicated slots for importing/exporting cartridges)		2 slots* ³	
Barcode reader		Standard	
Host interface		SCSI LVD/ Fibre Channel/SAS	
Management interface		10Base-T / 100Base-TX	
Service interface		RS-232C	
Performance	Cartridge access time	15sec (average)	
	Initialize time	Less than 150sec	
	Inventory time	Less than 85sec (Fully loaded with labeled cartridges)	
Robotics reliability	MSBF	More than 3,000,000 swaps	
	MTBF	250,000 hours (power-on hours)	
Power requirement		AC100-240V, 50/60Hz (auto-ranging)	
Power consumption (1 drive)		140W (maximum)	
Environmental limits	Temperature	10°C to 35°C (50°F to 95°F)	
	Humidity	20% to 80%H (non-condensing)	
Dimensions (H x W x D)		178mm x 481mm x 825mm	
Weight (1 drive)		Less than 37kg (81.2lbs.)	
OS support* ⁴		Windows®, HP-UX, Solaris™, AIX®, Linux®	

*1: 1GB=1,000,000,000 bytes

*2: Data transfer rate would differ due to operating environment and conditions.

*3: In case of 40-cartridge model, 2 slots are exclusively used as Mail Boxes and total data slots will be 38.

*4: Including preliminary information

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